PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF LEVELS, TRENDS AND TURNOVER RATES

JOB SERVICE

OCTOBER 1982

Vol. XXVII No. 10

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF LABOR AND INDUSTRY OFFICE OF EMPLOYMENT SECURITY

In cooperation with the United States Bureau of Labor Statistics

BUR-652 REV 6-81

– EXPLANATORY –

INDUSTRY EMPLOYMENT

Employment data refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives ".

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

LABOR TURNOVER RATES

Labor Turnover rates for manufacturing industries are computed by dividing totals of each turnover item by the total employment in all establishments. These rates are multiplied by 100, rounded to one decimal place, and published as rates of turnover per 100 employees.

This report is prepared by the Research and Statistics Division.
Refer queries, in writing,to:
PENNSYLVANIA OFFICE OF EMPLOYMENT SECURITY
COOPERATING REPRESENTATIVE
U.S. BUREAU OF LABOR STATISTICS
LABOR AND INDUSTRY BUILDING - ROOM 1202
HARRISBURG, PENNSYLVANIA 17121
or telephone: 717 – 787-3129

PUBLICATION ANNOUNCEMENT

The Pennsylvania Office of Employment Security, Occupational Employment Statistics Section in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics and Employment and Training Administration is releasing the report Pennsylvania Industry Trends and Outlook for Nonagricultural Wage and Salary Workers, 1980 and Projected 1990. The report contains a base year 1980 employment estimate, an interpolated 1986 employment figure, and a 1990 employment projection for over 400 industry lines. If you wish to obtain a copy of this publication, complete the address form provided.

Name _____

Organization
(if applicable) _____

Address _____

City _____ State _____ Zip Code _____

Please fold and staple. Address on reverse side.

PLACE
REQUIRED
POSTAGE
HERE

Commonwealth of Pennsylvania
Department of Labor and Industry
Office of Employment Security
R & S - Occupational Employment Statistics
Section
Room 1225, Labor and Industry Building
Harrisburg, PA 17121

PENNSYLVANIA EMPLOYMENT AND EARNINGS FOR SEPTEMBER 1982

EMPLOYMENT LEVEL FOURTH HIGHEST OF THE YEAR

The number of Pennsylvania residents working in September was 4,892,000, down 126,000 from the previous month, but still the fourth highest month for employment in 1982.

September's employment was 2,000 less than June 1982, the end of the second calendar quarter, and the third best employment month of the year.

Unemployment was higher in September, as the full sweep of the national recession affected the state's nondurable goods industries. Unemployment, unadjusted for seasonal factors, for September was 601,000--up 26,000 from August. The unadjusted unemployment rate climbed to 10.9 percent from the previous month's 10.3 percent.

The seasonally adjusted unemployment of 622,000 was 39,000 higher than in August, while the rate rose from 10.5 percent to 11.3 percent over the month.

Nationally, the unadjusted rate of unemployment was 9.7 percent, a slight increase over the previous month's 9.6 percent. The seasonally adjusted rate rose slightly from 9.8 percent in August to 10.1 percent in September.

DURABLE GOODS DECLINE SMALLEST IN A YEAR

Although manufacturing employment slipped by 3,900 jobs between August and September, durable goods industries accounted for only 800, the smallest monthly decline since August-to-September 1981. This reflected September's national increase in durable goods orders. The five durable goods categories showing gains in employment between August and September were nonelectrical machinery (1,900), instruments (700), miscellaneous manufacturing (600), lumber and wood products (300), and furniture and fixtures (200). There was no change in stone, clay and glass.

Durable goods employment was 34,900 lower than at the end of the second calendar quarter in 1982. Miscellaneous manufacturing had an employment gain between the second and third quarters of the year; furniture and fixtures had no change; and all other durable goods industries had mixed losses.

Nondurable goods employment declined by 3,100 jobs between August and September, to 488,600. This was the second poorest month for that segment of manufacturing in 1982. Only food products showed an employment gain, while tobacco products was unchanged, and all other nondurable goods products had workforce reductions.

NONDURABLE GOODS HOURLY AND WEEKLY EARNINGS INCREASE

In September, the average factory workweek declined to 37.9 hours from 38.2 hours in August, wiping out fairly steady gains experienced since April. September's average hourly earnings rose 3 cents to $8.66. The gain in hourly earnings was not large enough to compensate for the drop in hours, and September's average weekly earnings of $328.21 fell below August's $329.67. The drop in the factory workweek indicates that manufacturers are filling orders, but not building inventory.

Average weekly hours for durable goods decreased between August and September and were down more than an hour from a year ago. Average hourly earnings for August and September stood at $9.68, which was 23 cents higher than a year ago. September's durable goods average weekly earnings at $371.71 was $3.87 less than in August.

Nondurable goods posted a slight drop in average weekly hours from August, but had a 7-cent increase in hourly earnings. This hourly earnings increase offset the drop in hours, and September's average weekly earnings rose by $1.15 to $274.54.

Average weekly manufacturing earnings in September showed a loss of 58 cents for the third calendar quarter, down from the June level of $328.79. Nondurable goods average weekly earnings increased by $3.44 during the quarter, and durable goods earnings declined by $3.21.

NONMANUFACTURING POSTS EMPLOYMENT GAIN

Nonmanufacturing employment increased by 16,700 between August and September. Transportation expanded by 9,400, due to a recall by Conrail and school bus drivers returning to work as schools opened for the fall session. Services employment climbed by 5,200, with the bulk of the increase coming from educational services. Retail trade employment moved up 5,200 following a seasonal downturn during the summer months. Government increased by 4,200 jobs, with state and local government supplying the impetus. Mining had a gain of 200 jobs.

Since the end of the second calendar quarter, nonmanufacturing employment has declined by 48,900 jobs. The bulk of this loss (31,700) was in government, as workforce reductions occurred in local education (28,700) and state education (800). CETA employment also declined by 3,800 jobs as many participants returned to school and programs were eliminated.

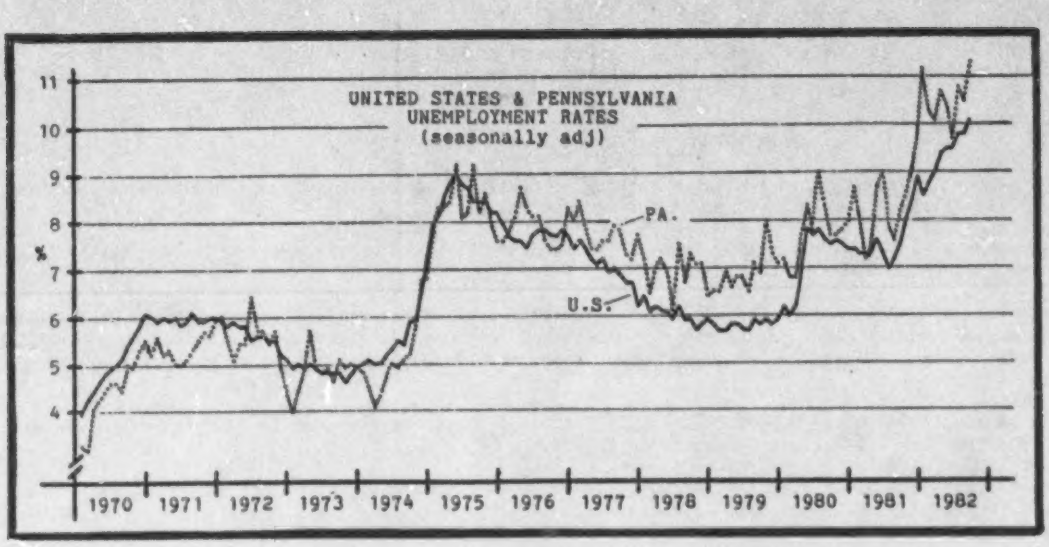

Table I. Resident Employment, Unemployment and Unemployed Rate (Thousands)

Year	PENNSYLVANIA Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %	UNITED STATES Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %
1967	4,637	4,467	170	3.7		77,347	74,372	2,975	3.8	
1968	4,634	4,475	159	3.4		78,737	75,920	2,817	3.6	
1969	4,720	4,566	154	3.3		80,734	77,902	2,832	3.5	
1970	4,830	4,612	218	4.5		82,771	78,678	4,093	4.9	
1971	4,813	4,553	261	5.4		84,382	79,367	5,016	5.9	
1972	4,884	4,620	265	5.4		87,034	82,153	4,882	5.6	
1973	4,999	4,756	242	4.8		89,429	85,064	4,365	4.9	
1974	5,052	4,792	259	5.1		91,949	86,794	5,156	5.6	
1975	5,096	4,672	423	8.3		93,775	85,846	7,929	8.5	
1976	5,127	4,721	407	7.9		96,158	88,752	7,406	7.7	
1977	5,205	4,804	401	7.7		99,009	92,017	6,991	7.1	
1978	5,303	4,936	367	6.9		102,251	96,048	6,202	6.1	
1979	5,358	4,988	370	6.9		104,962	98,824	6,137	5.8	
1980	5,434	5,009	425	7.8		106,940	99,303	7,637	7.1	
1981	5,476	5,018	458	8.4		108,670	100,397	8,273	7.6	
1981 Sep	5,445	4,997	448	8.2	8.5	108,273	100,389	7,884	7.3	7.6
Oct	5,525	5,051	475	8.6	8.7	109,244	101,028	8,216	7.5	8.0
Nov	5,515	5,035	480	8.7	9.0	109,179	100,502	8,676	7.9	8.3
Dec	5,437	4,930	506	9.3	9.6	108,574	99,562	9,013	8.3	8.8
1982 Jan	5,423	4,781	642	11.8	11.2	108,014	97,831	10,183	9.4	8.5
Feb	5,448	4,850	598	11.0	10.3	108,324	97,946	10,378	9.6	8.8
Mar	5,399	4,827	572	10.6	10.1	108,761	98,471	10,290	9.5	9.0
Apr	5,423	4,867	557	10.3	10.7	108,814	98,858	9,957	9.2	9.4
May	5,409	4,880	529	9.8	10.4	109,914	99,957	9,957	9.1	9.5
Jun	5,457	4,894	563	10.3	9.7	111,569	100,683	10,886	9.8	9.5
Jul	5,585	4,989	596	10.7	10.8	112,526	101,490	11,036	9.8	9.8
Aug	5,593	5,018	575	10.3	10.5	111,887	101,177	10,710	9.6	9.8
Sep	5,493	4,892	601	10.9	11.3	110,546	99,851	10,695	9.7	10.1
1981										
3rd Qtr	5,542	5,096	445	8.0	8.2	109,705	101,718	7,987	7.3	7.4
4th Qtr	5,492	5,005	487	8.9	9.1	108,999	100,364	8,635	7.9	8.3
1982										
1st Qtr	5,423	4,819	604	11.1	10.5	108,366	98,083	10,284	9.5	8.8
2nd Qtr	5,430	4,880	550	10.1	10.3	110,099	99,833	10,267	9.3	9.5
3rd Qtr	5,557	4,966	591	10.6	10.9	111,653	100,839	10,814	9.7	9.9

On all tables the most recent month's data are preliminary. They are subject to revision.

"STEEL-COLLAR WORKERS" *

By Bruce Steuernagel

In recent months, two members of President Reagan's cabinet have predicted either large scale displacement of workers or massive change in worker skills due to a rapid increase in the use of robots in American factories in the 1980's. This month's research summary has reviewed a number of articles about robotics and will attempt to present an overview of this topic paying particular attention to its impact on labor.

A robot is defined by the Robot Institute of America as a "reprogrammable, multifunctional manipulator designed to move materials, parts, tools, or specialized devices through various programmed motions for the performance of a variety of tasks." These machines were first introduced about twenty years ago. In 1961, Unimation installed a robot in a General Motors plant. Numerically controlled systems for machine tools were an early type of robot. Early in the 1970's there were predictions of widespread implementation by 1980. These predictions have come true in Japan to a greater degree than in the United States. The two reasons for resistance to a widespread introduction of robots has been the cost and the limited versatility of the machines. In addition to the cost of the actual machine, which varies from $7,500 to $150,000, there are installation, tooling, and start-up costs which can equal one-half of the purchase price. Also, programming, routine engineering services, and annual maintenance can add 10 to 15 percent onto the purchase price. In Japan, which has 135 manufacturers of computer controlled robots and 15,000 of the world's 20,000 working robots, the Japanese Ministry of International Trade and Industry quarantees loans to help small and medium size companies buy robots. Accelerated depreciation is allowed on the robots. The Japan Robot Leasing Co., a joint project between 24 robot makers, the robot industry association, and Japan Development Bank, lease robots to small companies which otherwise might be unable to take the financial risk. Until now, U.S. manufacturers have been unwilling to invest in robots on a large scale. Given the existing uncertain conditions in the cost of financing, predictions of a rapid introduction of robots are very tentative.

About half of the robots in the U.S. today are used in the auto industry, mostly to do spot welding and spray painting. Most of the remaining robots are found in the assembly of electric motors, printed circuits, in various machining functions, and in the handling of nuclear material. The development of the micro-processor, a small computer which can act as the robot's brain, has spurred further use of the machines. In September 1981, a Japanese firm, Fanuc, announced two machine-assembly models, each capable of memorizing 6,000 different components and their positions in a finished product. This company is particularly interested in producing small robots at an average price of $20,000 for small to medium-sized factories such as small parts suppliers. Further utilization of robots to do more sophisticated assembly operations will depend in part on the development of tactile sensory systems and vision systems.

While it is tempting to use the Japanese experience with robots as a model for U.S. industry, it should be recognized that there are some philosophical and societal differences in the relationship of labor and management and the char-

acteristics of the labor force in Japan vis a vis the United States. Japanese workers have not felt threatened by the robots because in many companies they are quaranteed lifetime employment. In addition, the Japanese Labor ministry feels there is a severe shortage of skilled blue-collar workers. Consequently, displaced workers are retrained for other, usually better jobs. Also, assembly robots frequently displace women, who in Japan are still not considered a serious part of the work force.

It is very likely that robots will increasingly be used in the U.S. because of the improved productivity and profitability which they now offer. The inflation of labor costs in the past decade now makes robots very competitive. They can perform repetitive tasks for entire shifts and with a high degree of accuracy. In the long run, technological improvements have generally proved beneficial to workers by creating new jobs which require higher skilled employees with higher pay or by improving safety and reducing the hazards of the workplace. Some of the new jobs created by the field of robotics will be to service and repair the machines and for electrical and mechanical engineers and computer scientists to design and program the machines. However, in the short run it is apparent that robots will displace workers. The American Society of Manufacturing Engineers and the University of Michigan predict that by 1982, five percent of all assembly systems will use robots; by 1985, 20 percent of the labor force employed in the final assembly of automobiles will be replaced by automation and vision systems will be operative; by 1987, 15 percent of all assembly systems will use robots and; by 1988, 50 percent of the labor in small-component assembly will be replaced. The auto industry, already the largest user of robots, will be the most affected.

While many union leaders hope that the long-run benefits of robots will come true, they are pressing for guarantees of job security in the short-run. The United Auto Workers union has already reached agreement with major auto makers on advance notice and retraining rights for workers replaced by robots and is planning on strengthening job security guarantees through spreading the work out by means of a four day week. Other unions may go further and seek the establishment of labor-management committees to negotiate in advance about the impact of technology and have a voice in the decision on how and whether to use it. Worker acceptance or resistance to the introduction of robots will depend on how well labor and management can cooperatively implement a changeover and minimize worker displacement. This will depend on whether or not product demand increases so that additional labor would be needed, and robots could replace certain workers who would then shift to more complex related assembly skills or be retrained for other jobs in the plant.

*Article reprinted from "REVIEW OF LABOR AND ECONOMIC CONDITIONS", February 1982 Issue, Minnesota Department of Economic Security, Research and Statistical Services Office, 390 N. Robert Street, Saint Paul, MN 55101.

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYEES					NET CHANGE		
	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Aug. 1982	June 1982	Sept. 1981
TOTAL NONAG. WAGE & SALARY EMPLOYMENT	4496.1	4483.3	4487.5	4587.6	4720.4	12.8	-91.5	-224.3
LABOR-MANAGEMENT DISPUTES	6.4	2.4	6.0	1.7	25.2	4.0	4.7	-18.8
TOTAL MANUFACTURING INDUSTRIES	1143.9	1147.8	1142.4	1186.5	1318.6	-3.9	-42.6	-174.7
TOTAL DURABLE GOODS	655.3	656.1	672.9	690.2	800.8	-0.8	-34.9	-145.5
Lumber & wood products	19.0	18.7	19.3	19.5	20.3	0.3	-0.5	-1.3
Millwork, plywood & structural	6.5	6.4	6.4	6.5	6.7	0.1	0.0	-0.2
Other lumber & wood prod.	12.5	12.3	12.9	13.0	13.6	0.2	-0.5	-1.1
Furniture & fixtures	17.3	17.1	16.2	17.3	19.5	0.2	0.0	-2.2
Household furniture	8.2	8.2	7.3	8.3	9.3	0.0	-0.1	-1.1
Office furniture	4.6	4.5	4.2	4.3	4.8	0.1	0.3	-0.2
Other furniture & fixtures	4.5	4.4	4.7	4.7	5.4	0.1	-0.2	-0.9
Stone, clay & glass products	52.0	52.0	51.4	52.4	57.8	0.0	-0.4	-5.8
Glass & glassware, pressed or blown	13.6	13.6	13.4	13.0	15.2	0.0	0.6	-1.6
Glass containers	7.0	6.9	7.0	6.9	7.6	0.1	0.1	-0.6
Other pressed or blown glass	6.6	6.7	6.4	6.1	7.6	-0.1	0.5	-1.0
Hydraulic cement	2.0	1.9	2.0	2.1	2.1	0.1	-0.1	-0.1
Structural clay products	4.9	4.8	4.8	4.9	5.6	0.1	0.0	-0.7
Pottery & related products	4.0	4.1	4.2	4.3	4.8	-0.1	-0.3	-0.8
Concrete, gypsum & plaster prod.	7.9	7.8	7.7	7.8	7.8	0.1	0.1	0.1
Other stone, clay & glass prod.	19.6	19.8	19.3	20.3	22.3	-0.2	-0.7	-2.7
Primary metal industries	128.5	131.2	137.1	142.7	184.4	-2.7	-14.2	-55.9
Blast furnace & basic steel prod.	90.4	92.4	98.0	103.0	137.0	-2.0	-12.6	-46.6
Blast furnaces & steel mills	80.6	82.4	87.2	92.2	125.5	-1.8	-11.6	-44.9
Other basic steel products	9.8	10.0	10.8	10.8	11.5	-0.2	-1.0	-1.7
Iron & steel foundries	11.8	12.2	12.3	13.0	18.1	-0.4	-1.2	-6.3
Gray iron foundries	5.2	5.3	5.7	5.8	7.8	-0.1	-0.6	-2.6
Steel foundries, n.e.c.	4.2	4.5	3.9	4.7	6.1	-0.3	-0.5	-1.9
Malleable iron & steel invest.	2.4	2.4	2.7	2.5	4.2	0.0	-0.1	-1.8
Nonferrous rolling & drawing	13.1	13.2	13.6	13.4	14.2	-0.1	-0.3	-1.1
Nonferrous foundries	6.1	6.2	6.0	6.2	7.1	-0.1	-0.1	-1.0
Other primary metal products	7.1	7.2	7.2	7.1	8.0	-0.1	0.0	-0.9
Fabricated metal products	95.6	95.8	96.6	97.6	111.1	-0.2	-2.0	-15.5
Metal cans & shipping containers	3.2	3.3	3.2	3.4	4.1	-0.1	-0.2	-0.9
Cutlery, hand tools & hardware	5.4	5.5	5.6	5.5	6.2	-0.1	-0.1	-0.8
Plumbing & heating exc. electrical	3.0	3.0	2.9	3.0	3.7	0.0	0.0	-0.7
Fabricated structural metal prod.	29.5	29.7	29.8	29.9	35.3	-0.2	-0.4	-5.8
Fabricated structural metal	5.7	5.6	5.6	5.8	8.6	0.1	-0.1	-2.9
Fabricated plate work (boiler shops)	9.0	9.2	9.3	9.4	10.6	-0.2	-0.4	-1.6
Other fabricated struct. metal prod.	14.8	14.9	14.9	14.7	16.1	-0.1	0.1	-1.3
Screw machine products, bolts, etc.	7.0	7.4	7.8	7.9	9.2	-0.4	-0.9	-2.2
Metal forgings & stampings	19.4	19.3	19.7	19.5	19.8	0.1	-0.1	-0.4
Iron & steel forgings	5.0	4.9	5.2	5.4	5.9	0.1	-0.4	-0.9
Other metal forgings & stampings	14.4	14.4	14.5	14.1	13.9	0.0	0.3	0.5
Metal services & ordnance, n.e.c.	8.4	8.0	8.3	8.2	8.1	0.4	0.2	0.3
Misc. fabricated metal products	19.7	19.6	19.3	20.2	24.7	0.1	-0.5	-5.0
Valves & pipe fittings	7.8	7.7	8.0	8.2	9.6	0.1	-0.4	-1.8
Other misc. fabricated metal prod.	11.9	11.9	11.3	12.0	15.1	0.0	-0.1	-3.2
Machinery, exc. electrical	122.1	120.2	125.0	128.2	143.2	1.9	-6.1	-21.1
Engines & turbines	8.6	8.8	9.0	9.5	10.4	-0.2	-0.9	-1.8
Farm & garden machinery	3.3	3.3	3.4	3.5	4.4	0.0	-0.2	-1.1
Construction & related mach.	19.6	17.6	20.9	20.7	26.3	2.0	-1.1	-6.7
Construction machinery	6.8	4.6	7.3	5.8	8.6	2.2	1.0	-1.8
Conveyors & conveying equip.	3.5	3.5	3.5	3.6	3.8	0.0	-0.1	-0.3
Other construction & related mach.	9.3	9.5	10.1	11.3	13.9	-0.2	-2.0	-4.6
Metal working machinery	17.1	17.1	17.4	18.6	22.5	0.0	-1.5	-5.4
Special industry machinery	12.9	13.0	12.9	13.2	13.8	-0.1	-0.3	-0.9

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT
(cont.)

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYES							
						NET CHANGE		
	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Aug. 1982	June 1982	Sept. 1981
General industrial machinery	24.5	24.4	24.9	26.1	27.5	0.1	-1.6	-3.0
Pumps & pumping equipment	4.0	4.1	4.1	4.2	4.1	-0.1	-0.2	-0.1
Ball & roller bearings	3.7	3.5	3.7	3.8	4.0	0.2	-0.1	-0.3
Air & gas compressors	4.7	4.7	4.9	5.0	5.1	0.0	-0.3	-0.4
Industrial furnaces & ovens	2.8	2.8	2.9	3.0	3.5	0.0	-0.2	-0.7
Other general industrial mach.	9.3	9.3	9.3	10.1	10.8	0.0	-0.8	-1.5
Office and computing machines	13.7	13.8	13.8	13.8	13.2	-0.1	-0.1	0.5
Refrigeration & service ind. mach.	9.8	10.2	10.1	9.6	10.9	-0.4	0.2	-1.1
Misc. machinery, exc. electrical	12.6	12.0	12.6	13.2	14.2	0.6	-0.6	-1.6
Electric & electronic equipment	105.9	106.3	106.2	108.8	119.6	-0.4	-2.9	-13.7
Electric distributing equip.	14.9	15.0	15.3	15.5	18.1	-0.1	-0.6	-3.2
Transformers	5.1	4.9	5.1	5.3	6.0	0.2	-0.2	-0.9
Switchgear & switchboard apparatus	9.8	10.1	10.2	10.2	12.1	-0.3	-0.4	-2.3
Electrical industrial apparatus	18.4	18.5	18.9	19.5	21.0	-0.1	-1.1	-2.6
Household appliances	3.8	3.3	3.2	3.4	4.1	0.5	0.4	-0.3
Electric lighting & wiring equip.	20.2	20.0	20.2	20.6	20.7	0.2	-0.4	-0.5
Current-carrying wiring devices	11.3	11.5	11.7	11.6	11.7	-0.2	-0.3	-0.4
Other electric light & wiring equip.	8.9	8.5	8.5	9.0	9.0	0.4	-0.1	-0.1
Communication equipment	10.4	10.7	10.9	10.8	10.4	-0.3	-0.4	0.0
Electronic components & accessories	29.4	30.0	29.5	30.4	33.8	-0.6	-1.0	-4.4
Semiconductors & related devices	11.3	11.4	11.3	11.3	11.9	-0.1	0.0	-0.6
Other electronic components & access.	18.1	18.6	18.2	19.1	21.9	-0.5	-1.0	-3.8
Other electrical equip. & supplies	8.8	8.8	8.2	8.6	11.5	0.0	0.2	-2.7
Transportation equipment	56.8	58.0	63.2	65.1	80.1	-1.2	-8.3	-23.3
Motor vehicles & equipment	19.2	19.8	23.7	24.2	28.8	-0.6	-5.0	-9.6
Motor vehicle parts & access.	7.9	8.6	8.4	9.2	11.3	-0.7	-1.3	-3.4
Other motor vehicles & equip.	11.3	11.2	15.3	15.0	17.5	0.1	-3.7	-6.2
Aircraft & parts	9.6	10.2	10.3	11.1	13.1	-0.6	-1.5	-3.5
Ship & boat building & repairing	3.2	3.2	3.4	3.0	6.6	0.0	0.2	-3.4
Railroad equipment	13.6	13.5	13.9	14.6	18.1	0.1	-1.0	-4.5
Other transportation equipment	11.2	11.3	11.9	12.2	13.5	-0.1	-1.0	-2.3
Instruments & related products	36.6	35.9	37.1	37.3	41.4	0.7	-0.7	-4.8
Measuring & controlling devices	18.4	18.1	19.0	19.3	22.1	0.3	-0.9	-3.7
Medical instruments & supplies	10.5	10.2	10.2	10.3	10.9	0.3	0.2	-0.4
Other instruments & related prod.	7.7	7.6	7.9	7.7	8.4	0.1	0.0	-0.7
Miscellaneous manufacturing industries	21.5	20.9	20.8	21.3	23.4	0.6	0.2	-1.9
TOTAL NONDURABLE GOODS	488.6	491.7	469.5	496.3	517.8	-3.1	-7.7	-29.2
Food & kindred products	93.9	93.7	92.7	92.5	96.9	0.2	1.4	-3.0
Meat products	13.7	14.0	14.0	14.0	15.0	-0.3	-0.3	-1.3
Meat packing plants	4.6	4.6	4.6	4.5	4.7	0.0	0.1	-0.1
Sausages & other prepared meats	4.6	4.8	4.8	4.8	5.4	-0.2	-0.2	-0.8
Poultry dressing & processing	4.5	4.6	4.6	4.7	4.9	-0.1	-0.2	-0.4
Dairy products	10.9	11.1	11.0	11.1	11.2	-0.2	-0.2	-0.3
Fluid milk	5.9	6.0	6.0	6.1	6.0	-0.1	-0.2	-0.1
Other dairy products	5.0	5.1	5.0	5.0	5.2	-0.1	0.0	-0.2
Preserved fruits & vegetables	12.6	11.7	11.6	11.1	12.9	0.9	1.5	-0.3
Canned fruits & vegetables	4.4	3.7	4.0	3.7	5.1	0.7	0.7	-0.7
Other preserved fruits & vegetables	8.2	8.0	7.6	7.4	7.8	0.2	0.8	0.4
Grain mill products	5.5	5.4	5.4	5.5	5.4	0.1	0.0	0.1
Bakery products	18.4	18.8	18.9	18.8	18.0	-0.4	-0.4	0.4
Bread, cake & related prod.	13.7	14.0	14.1	14.1	13.3	-0.3	-0.4	0.4
Cookies & crackers	4.7	4.8	4.8	4.7	4.7	-0.1	0.0	0.0
Sugar & confectionery prod.	15.2	15.1	14.4	14.2	16.0	0.1	1.0	-0.8
Confectionery prod.	7.1	6.9	6.4	6.1	7.2	0.2	1.0	-0.1
Chocolate & cocoa prod.	6.6	6.7	6.5	6.1	6.4	-0.1	0.5	0.2
Other sugar prod.	1.5	1.5	1.5	2.0	2.4	0.0	-0.5	-0.9
Beverages	8.6	8.8	8.8	9.2	9.3	-0.2	-0.6	-0.7
Other food & kindred products	9.0	8.8	8.6	8.6	9.1	0.2	0.4	-0.1

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT
(cont.)

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYES							
						NET CHANGE		
	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Aug. 1982	June 1982	Sept. 1981
Tobacco manufacturers	2.3	2.3	2.0	2.4	3.2	0.0	-0.1	-0.9
Textile mill products	40.4	40.5	40.1	40.9	44.3	-0.1	-0.5	-3.9
Weaving mills, synthetics	4.5	4.5	4.3	4.5	5.0	0.0	0.0	-0.5
Knitting mills	21.6	21.4	21.0	20.9	22.6	0.2	0.7	-1.0
Knit outerwear mills	11.8	11.7	11.7	11.2	12.2	0.1	0.6	-0.4
Knit underwear mills	4.7	4.7	4.3	4.6	4.7	0.0	0.1	0.0
Other knitting mills	5.1	5.0	5.0	5.1	5.7	0.1	0.0	-0.6
Floor covering mills	3.1	3.3	3.5	3.6	3.7	-0.2	-0.5	-0.6
Yarn & thread mills	2.9	3.0	2.8	3.2	4.0	-0.1	-0.3	-1.1
Other textile mill prod.	8.3	8.3	8.5	8.7	9.0	0.0	-0.4	-0.7
Apparel & other textile products	119.4	120.7	100.6	122.7	128.1	-1.3	-3.3	-8.7
Men's & boys' suits & coats	15.5	15.6	15.8	16.2	16.3	-0.1	-0.7	-0.8
Men's & boys' furnishings	19.9	20.4	19.7	20.4	20.2	-0.5	-0.5	-0.3
Men's & boys' shirts & nightwear	7.2	7.4	6.9	7.4	7.6	-0.2	-0.2	-0.4
Men's & boys' separate trousers	3.7	3.9	3.8	4.2	4.3	-0.2	-0.5	-0.6
Other furnishings & work clothing	9.0	9.1	9.0	8.8	8.3	-0.1	0.2	0.7
Women's & misses' outerwear	54.4	55.2	37.1	56.7	59.4	-0.8	-2.3	-5.0
Women's & children's undergarments	9.9	9.5	9.2	9.9	10.8	0.4	0.0	-0.9
Children's outerwear	7.7	7.8	7.6	7.9	8.3	-0.1	-0.2	-0.6
Other apparel & textile prod.	12.0	12.2	11.2	11.6	13.1	-0.2	0.4	-1.1
Paper & allied products	39.8	39.9	40.0	40.8	42.6	-0.1	-1.0	-2.8
Paper mills exc. building paper	10.8	11.0	11.1	11.4	11.3	-0.2	-0.6	-0.5
Paper board containers & boxes	13.7	13.6	13.3	13.4	14.4	0.1	0.3	-0.7
Corrugated & solid fiber boxes	7.0	7.0	6.8	6.8	7.3	0.0	0.2	-0.3
Other paperboard containers	6.7	6.6	6.5	6.6	7.1	0.1	0.1	-0.4
Other paper & allied products	15.3	15.3	15.6	16.0	16.9	0.0	-0.7	-1.6
Printing & publishing	72.0	72.2	71.5	72.7	73.5	-0.2	-0.7	-1.5
Newspapers	23.7	23.4	23.4	23.7	24.0	0.3	0.0	-0.3
Books	5.3	5.5	5.6	5.7	5.8	-0.2	-0.4	-0.5
Commercial printing	21.7	21.6	21.4	21.8	21.9	0.1	-0.1	-0.2
Lithographing	12.6	12.6	12.5	12.7	12.5	0.0	-0.1	0.1
Other commercial printing	9.1	9.0	8.9	9.1	9.4	0.1	0.0	-0.3
Manifold business forms	4.4	4.3	4.3	4.4	4.3	0.1	0.0	0.1
Other printing & publishing	16.9	17.4	16.8	17.1	17.5	-0.5	-0.2	-0.6
Chemicals & allied products	57.2	57.8	57.9	58.4	59.9	-0.6	-1.2	-2.7
Industrial inorganic chemicals	9.3	9.4	9.2	9.6	9.9	-0.1	-0.3	-0.6
Plastic materials & synthetics	7.5	7.5	7.7	7.6	8.2	0.0	-0.1	-0.7
Drugs	18.3	18.5	18.5	18.5	18.2	-0.2	-0.2	0.1
Soap, cleaners & toilet goods	3.3	3.2	3.2	3.2	3.1	0.1	0.1	0.2
Paints & allied products	4.0	4.1	4.1	4.1	4.2	-0.1	-0.1	-0.2
Other chemicals & allied prod.	14.8	15.1	15.2	15.4	16.3	-0.3	-0.6	-1.5
Petroleum & coal products	16.1	16.4	16.5	16.4	17.1	-0.3	-0.3	-1.0
Petroleum refining	12.5	12.8	13.0	12.9	13.3	-0.3	-0.4	-0.8
Other petroleum & coal prod.	3.6	3.6	3.5	3.5	3.8	0.0	0.1	-0.2
Rubber & misc. plastics products	32.8	33.2	32.9	33.9	35.8	-0.4	-1.1	-3.0
Tires & inner tubes	3.2	3.1	3.1	3.2	3.3	0.1	0.0	-0.1
Fabricated rubber prod., n.e.c.	3.9	3.9	4.1	4.2	4.4	0.0	-0.3	-0.5
Other rubber & plastic prod., n.e.c.	25.7	26.2	25.7	26.5	28.1	-0.5	-0.8	-2.4
Leather & leather products	14.7	15.0	15.3	15.6	16.4	-0.3	-0.9	-1.7
Footwear, exc. rubber	11.2	11.5	11.5	11.6	12.2	-0.3	-0.4	-1.0
Men's footwear, exc. athletic	4.4	4.5	4.4	4.5	4.7	-0.1	-0.1	-0.3
Women's footwear, exc. athletic	3.3	3.3	3.3	3.3	3.4	0.0	0.0	-0.1
Other footwear	3.5	3.7	3.8	3.8	4.1	-0.2	-0.3	-0.6
Other leather & leather prod.	3.5	3.5	3.8	4.0	4.2	0.0	-0.5	-0.7

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT
(concl.)

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYES							
	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	NET CHANGE Aug. 1982	June 1982	Sept. 1981
TOTAL NONMANUFACTURING INDUSTRIES	3352.2	3335.5	3345.1	3401.1	3401.8	16.7	-48.9	-49.6
Mining	41.7	41.5	43.3	45.0	50.4	0.2	-3.3	-8.7
Anthracite	3.5	3.4	3.4	3.4	3.7	0.1	0.1	-0.2
Bituminous	28.6	28.5	30.3	32.2	36.4	0.1	-3.6	-7.8
Nonmetallic minerals	3.8	3.8	3.8	3.7	4.6	0.0	0.1	-0.8
Contract Construction	171.3	173.9	171.5	167.6	198.2	-2.6	3.7	-26.9
General building	45.0	45.5	45.3	45.5	52.6	-0.5	-0.5	-7.6
Heavy construction	37.6	35.9	35.6	35.7	42.2	1.7	1.9	-4.6
Special trades	88.7	92.5	90.6	86.4	103.4	-3.8	2.3	-14.7
Transportation	141.1	131.7	133.0	140.7	156.4	9.4	0.4	-15.3
Railroads	32.8	31.0	33.0	33.2	37.5	1.8	-0.4	-4.7
Public Utilities	102.9	103.8	103.8	103.8	104.2	-0.9	-0.9	-1.3
Communications	53.5	53.8	54.0	54.0	55.2	-0.3	-0.5	-1.7
Electric, gas & sanitary service	49.4	50.0	49.8	49.8	49.0	-0.6	-0.4	0.4
Electric systems	24.9	25.0	24.8	24.7	24.7	-0.1	0.2	0.2
Gas production	8.9	9.0	9.0	9.3	9.1	-0.1	-0.4	-0.2
Wholesale trade	235.3	237.3	236.8	237.6	244.8	-2.0	-2.3	-9.5
Retail trade	730.8	725.6	727.7	739.7	740.0	5.2	-8.9	-9.2
General merchandise stores	116.2	114.4	117.4	116.3	115.1	1.8	-0.1	1.1
Department stores	102.6	100.8	104.0	103.0	102.0	1.8	-0.4	0.6
Finance, insurance & real estate	241.6	243.9	245.3	244.7	241.4	-2.3	-3.1	0.2
Banking	80.1	81.0	81.2	80.7	80.8	-0.9	-0.6	-0.7
Commercial & stock savings	74.0	74.8	74.9	74.5	74.0	-0.8	-0.5	0.0
Credit agencies & securities	31.5	31.6	31.5	31.6	31.4	-0.1	-0.1	0.1
Insurance	69.7	70.2	70.5	70.5	70.1	-0.5	-0.8	-0.4
Life insurance	27.3	27.3	27.3	27.2	27.2	0.0	0.1	0.1
Fire, marine & casualty	28.4	28.8	29.0	29.0	28.8	-0.4	-0.6	-0.4
Services	1020.6	1015.1	1017.3	1023.4	1017.9	5.5	-2.8	2.7
Business services	129.0	130.7	130.2	132.7	138.5	-1.7	-3.7	-9.5
Health services	349.4	351.0	350.3	348.6	338.3	-1.6	0.8	11.1
Nursing & personal care	54.3	54.9	54.6	54.6	53.4	-0.6	-0.3	0.9
Hospitals	215.3	216.3	215.8	214.8	206.9	-1.0	0.5	8.4
Educational service	115.7	99.3	102.2	112.7	119.6	16.4	3.0	-3.9
Miscellaneous services	47.9	48.0	47.9	47.6	48.1	-0.1	0.3	-0.2
Engineering & architectural	30.1	30.5	30.5	30.6	30.5	-0.4	-0.5	-0.4
Government	666.9	662.7	666.4	698.6	648.5	4.2	-31.7	18.4
Federal	133.9	136.3	137.0	136.4	132.8	-2.4	-2.5	1.1
State & local	533.0	526.4	529.4	562.2	515.7	6.6	-29.2	17.3

Table 3. SELECTED PENNSYLVANIA EMPLOYMENT INDICES
(Not Seasonally Adjusted)

1977 = 100

INDUSTRY TITLE	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	ANNUAL AVERAGE 1981	1980	1979
All Manufacturing	85.2	85.5	85.1	88.4	98.2	96.9	99.0	103.3
Primary Metals	64.3	65.7	68.6	71.4	92.3	102.3	95.3	102.3
Apparel	89.1	90.0	75.0	91.5	95.5	92.3	92.6	96.0
All Nonmanufacturing	103.9	103.4	103.7	105.5	105.5	106.2	106.2	106.1
Construction	93.1	94.5	93.2	91.1	107.7	99.2	103.4	111.0
Retail Trade	101.8	101.1	101.4	103.1	103.1	103.4	103.7	105.0
Services	118.3	117.6	117.9	118.6	118.0	116.7	112.9	109.5
Government	93.8	93.2	93.7	98.2	91.2	99.2	101.7	101.4

TABLE 4. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA

(1967 = 100)

Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1971	$140.73	39.2	$3.59	127.3	121.3	$116.02	$ 24.71
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33
1979	278.10	39.9	6.97	247.2	217.4	127.92	150.18
1980	294.49	38.8	7.59	269.3	246.8	119.32	175.17
1981	325.36	39.2	8.30	294.3	272.4	119.44	205.92

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col 1 ÷ Col. 5)

TABLE 5. EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS

(Thousands)

Industry	Employment					Weekly Manhours Worked					Weekly Payrolls				
	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981
Manufacturing	779.0	780.5	771.1	810.1	935.4	29,505.3	29,786.8	29,621.4	31,220.6	36,621.1	255,574.7	257,083.1	255,911.2	266,774.4	309,885.0
Durable Goods	428.0	428.4	440.7	454.8	553.6	16,443.4	16,635.1	17,081.9	17,871.2	22,177.2	159,144.4	160,996.2	163,876.7	170,556.6	209,625.9
Nondur. Goods	351.0	352.1	330.4	355.3	381.8	13,061.9	13,151.7	12,539.5	13,349.4	14,443.9	96,430.3	96,086.9	92,034.5	96,217.8	100,259.1

NOTATION

Resident Data are an estimate of WORKERS by place of residence and include wage and salary workers, self-employed and unpaid family workers, domestic workers, agricultural workers and persons involved in labor-management disputes. These data are derived from the National Current Population Survey (CPS) and do not reflect commuting or dual job holding, consequently, they are not comparable to establishment based Nonagricultural Wage and Salary data.

Establishment Data are estimates of JOBS by place of work.

Labor-management disputes - Persons involved in labor-management disputes are included in RESIDENT employment counts. They are not included in ESTABLISHMENT data nor are they counted as labor turnover actions. Wherever indicated (#), however, they are added to the Nonagricultural Wage and Salary total to show more accurately the number of jobs held. An asterisk (*) denotes a total significantly affected by a labor-management dispute.

Nonagricultural Wage and Salary Data in this publication are arranged according to the 1972 Standard Industrial Classification Manual. Employment data, beginning with 1980, are benchmarked to first quarter 1981.

HOURS AND EARNINGS FOR

Table 6. MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981
TOTAL MANUFACTURING INDUSTRIES	328.21	329.67	331.78	328.79	331.63	37.9	38.2	38.4	38.5	39.2	8.66	8.63	8.64	8.54	8.46
TOTAL DURABLE GOODS	371.71	375.58	372.09	374.92	378.95	38.4	38.8	38.8	39.3	40.1	9.68	9.68	9.59	9.54	9.45
Lumber & wood products	257.31	255.75	262.65	257.72	248.52	37.4	37.5	37.9	37.9	39.7	6.88	6.82	6.93	6.80	6.26
Millwork, plywood & structural	268.05	261.59	263.34	267.25	236.96	37.7	37.0	37.3	37.8	37.2	7.11	7.07	7.06	7.07	6.37
Other lumber & wood prod.	252.15	252.59	262.43	252.79	253.99	37.3	37.7	38.2	37.9	40.9	6.76	6.70	6.87	6.67	6.21
Furniture & fixtures	277.09	277.68	271.65	281.39	262.13	38.7	39.0	38.1	39.3	38.1	7.16	7.12	7.13	7.16	6.88
Household furniture	251.93	254.87	234.08	246.91	248.32	39.8	40.2	38.0	38.7	38.8	6.33	6.34	6.16	6.38	6.40
Office furniture	314.42	308.50	299.54	326.14	267.54	39.8	39.2	38.7	41.6	36.8	7.90	7.87	7.74	7.84	7.27
Other furniture & fixtures	289.58	294.39	307.94	307.47	284.97	35.1	36.3	37.6	38.1	38.2	8.25	8.11	8.19	8.07	7.46
Stone, clay & glass products	366.11	362.60	369.33	370.72	355.18	40.1	40.2	40.9	41.1	41.3	9.13	9.02	9.03	9.02	8.60
Glass & glassware, pressed or blown	386.34	384.61	391.28	395.59	349.46	41.1	41.4	42.3	42.4	40.4	9.40	9.29	9.25	9.33	8.65
Glass containers	410.52	416.09	414.69	415.38	375.25	41.3	42.2	42.1	42.0	40.7	9.94	9.86	9.85	9.89	9.22
Other pressed or blown glass	359.04	350.33	365.08	372.37	323.61	40.8	40.5	42.6	42.9	40.1	8.80	8.65	8.57	8.68	8.07
Hydraulic cement	537.21	523.75	532.13	492.23	515.57	42.4	41.8	42.3	39.6	43.0	12.67	12.53	12.58	12.43	11.99
Structural clay products	289.17	277.51	293.00	307.71	301.50	38.2	37.1	38.3	39.4	40.2	7.57	7.48	7.65	7.81	7.50
Pottery & related products	338.22	334.37	329.00	333.12	317.94	39.1	38.7	38.3	38.6	42.0	8.65	8.64	8.59	8.63	7.57
Concrete, gypsum & plaster prod.	344.80	350.96	350.49	349.86	347.23	42.1	42.8	42.9	43.3	42.5	8.19	8.20	8.17	8.08	8.17
Other stone, clay & glass prod.	368.81	362.78	372.78	374.39	374.40	38.7	38.8	39.7	40.3	41.6	9.53	9.35	9.39	9.29	9.00
Primary metal industries	432.72	446.49	433.70	432.03	477.97	36.0	36.9	37.1	36.8	39.6	12.02	12.10	11.69	11.74	12.07
Blast furnace & basic steel prod.	471.04	488.07	470.31	465.84	523.51	35.1	36.1	36.6	36.0	39.6	13.42	13.52	12.85	12.94	13.22
Blast furnaces & steel mills	478.85	497.88	475.53	471.95	533.08	34.8	36.0	36.3	35.7	39.4	13.76	13.83	13.10	13.22	13.53
Other basic steel products	408.11	420.73	432.28	417.53	426.17	37.0	37.2	38.7	38.2	41.7	11.03	11.31	11.17	10.93	10.22
Iron & steel foundries	319.66	332.14	317.00	326.71	350.10	35.4	36.7	35.9	37.0	38.9	9.03	9.05	8.83	8.83	9.00
Gray iron foundries	300.05	311.83	304.32	297.86	352.63	35.3	36.6	36.1	35.8	39.4	8.50	8.52	8.43	8.32	8.95
Steel foundries, n.e.c.	358.38	369.27	340.06	364.05	363.80	36.2	37.3	34.7	38.2	39.5	9.90	9.90	9.80	9.53	9.21
Malleable iron & steel invest.	306.02	318.07	315.62	333.90	327.87	34.5	35.9	36.7	37.9	37.3	8.87	8.86	8.60	8.81	8.79
Nonferrous rolling & drawing	381.24	371.33	366.11	380.48	346.18	40.3	39.8	40.1	41.0	39.7	9.46	9.33	9.13	9.28	8.72
Nonferrous foundries	324.90	332.24	346.98	318.20	318.80	38.0	39.6	40.3	38.9	39.9	8.55	8.39	8.61	8.18	7.99
Other primary metal products	354.22	352.14	348.10	345.93	342.74	39.8	39.7	39.2	39.9	40.9	8.90	8.87	8.88	8.67	8.38
Fabricated metal products	366.40	367.43	361.15	364.21	342.86	40.0	40.2	39.6	40.2	39.5	9.16	9.14	9.12	9.06	8.68
Metal cans & shipping containers	418.84	446.61	427.14	467.71	446.90	41.8	43.7	42.0	44.8	42.2	10.02	10.22	10.17	10.44	10.59
Cutlery, hand tools & hardware	280.41	270.34	273.29	273.22	264.67	39.0	37.6	37.8	38.0	39.8	7.19	7.19	7.23	7.19	6.65
Plumbing & heating exc. electrical	357.35	350.47	338.52	337.04	314.41	40.7	40.8	39.0	39.1	39.4	8.78	8.59	8.68	8.62	7.98
Fabricated structural metal prod.	340.56	348.25	341.54	346.72	322.92	39.6	40.4	39.9	40.6	39.0	8.60	8.62	8.56	8.54	8.28
Fabricated structural metal	355.12	378.10	397.70	378.54	334.88	37.9	39.8	41.6	40.1	35.4	9.37	9.50	9.56	9.44	9.46
Fabricated plate work (boiler shops)	378.88	380.25	364.94	390.29	327.47	39.1	39.9	38.7	41.3	38.8	9.69	9.53	9.43	9.45	8.44
Other fabricated struct. metal prod.	311.85	318.16	304.84	306.28	313.18	40.5	41.0	39.9	40.3	41.1	7.70	7.76	7.64	7.60	7.62
Screw machine products, bolts, etc.	328.71	321.93	323.39	329.35	312.80	37.1	36.5	37.3	37.9	40.0	8.86	8.82	8.67	8.69	7.82
Metal forgings & stampings	461.96	455.63	448.80	451.13	434.80	41.1	40.9	40.0	40.9	40.0	11.24	11.14	11.22	11.03	10.87
Iron & steel forgings	371.53	367.30	365.00	368.06	359.29	38.5	38.3	38.1	38.5	38.8	9.65	9.59	9.58	9.56	9.26
Other metal forgings & stampings	488.55	480.06	474.21	479.13	464.13	41.9	41.6	40.6	41.7	40.5	11.66	11.54	11.68	11.49	11.46
Metal services & ordnance, n.e.c.	337.74	331.30	327.55	328.45	304.94	41.8	40.8	39.8	40.7	39.5	8.08	8.12	8.23	8.07	7.72
Misc. fabricated metal products	347.69	348.87	340.49	337.19	322.97	39.6	40.1	39.5	39.3	39.1	8.78	8.70	8.62	8.58	8.26
Valves & pipe fittings	368.60	359.66	357.96	353.78	344.66	38.8	38.1	38.0	38.0	40.5	9.50	9.44	9.42	9.31	8.51
Other misc. fabricated metal prod.	334.80	342.79	329.67	327.62	311.42	40.0	41.3	40.5	40.1	38.4	8.37	8.30	8.14	8.17	8.11

HOURS AND EARNINGS FOR

Table 6. MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL
(cont.)

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981
Machinery, exc. electrical	369.79	378.58	367.77	368.93	375.91	38.6	39.6	39.0	39.5	41.4	9.58	9.56	9.43	9.34	9.08
Engines & turbines	467.31	472.18	418.24	423.32	430.54	41.1	42.5	40.1	40.9	41.8	11.37	11.11	10.43	10.35	10.30
Farm & garden machinery	378.50	389.46	394.21	384.47	368.00	39.8	39.7	39.9	39.8	39.4	9.51	9.81	9.88	9.66	9.34
Construction & related mach.	344.52	389.44	339.98	334.16	404.58	34.8	39.1	34.1	34.7	42.1	9.90	9.96	9.97	9.63	9.61
Construction machinery	329.98	483.18	314.83	267.43	428.90	28.3	40.4	27.4	23.5	41.4	11.66	11.96	11.49	11.38	10.36
Conveyors & conveying equip.	362.25	375.78	355.47	359.77	293.11	41.4	42.8	41.0	41.4	35.4	8.75	8.78	8.67	8.69	8.28
Other construction & related mach.	353.70	347.38	359.68	365.51	407.34	39.3	37.8	38.8	39.6	43.8	9.00	9.19	9.27	9.23	9.30
Metal working machinery	391.55	366.72	384.30	398.96	366.40	41.0	38.2	39.7	41.3	40.0	9.55	9.60	9.68	9.66	9.16
Special industry machinery	371.36	364.49	359.45	350.06	351.42	41.4	41.0	40.8	40.8	40.3	8.97	8.89	8.81	8.58	8.72
General industrial machinery	367.46	377.99	372.91	367.64	378.11	39.3	40.6	40.8	40.4	42.2	9.35	9.31	9.14	9.10	8.96
Pumps & pumping equipment	420.93	429.41	389.30	400.53	397.71	41.8	42.6	42.5	42.7	42.4	10.07	10.08	9.16	9.38	9.38
Ball & roller bearings	362.32	375.14	378.10	383.76	383.57	37.9	39.2	39.8	40.1	41.2	9.56	9.57	9.50	9.57	9.31
Air & gas compressors	374.75	390.86	398.11	379.76	413.22	39.2	41.1	41.6	40.4	44.1	9.56	9.51	9.57	9.40	9.37
Industrial furnaces & ovens	355.81	356.28	335.54	356.20	342.40	38.3	38.6	37.2	39.1	38.3	9.29	9.23	9.02	9.11	8.94
Other general industrial mach.	346.33	353.28	357.98	343.60	366.37	39.4	40.7	41.1	40.0	42.8	8.79	8.68	8.71	8.59	8.56
Office and computing machines	429.31	420.10	417.96	428.25	420.16	38.4	38.4	38.7	39.8	41.6	11.18	10.94	10.80	10.76	10.10
Refrigeration & service ind. mach.	357.20	362.23	365.75	354.84	334.10	40.0	40.7	41.8	40.6	41.4	8.93	8.90	8.75	8.74	8.07
Misc. machinery, exc. electrical	299.55	325.08	327.25	328.71	335.16	35.2	37.8	38.5	38.9	42.0	8.51	8.60	8.50	8.45	7.98
Electric & electronic equipment	341.44	338.24	331.66	333.32	317.60	38.8	38.7	38.7	39.4	39.8	8.80	8.74	8.57	8.46	7.98
Electric distributing equip.	441.91	427.58	411.68	402.52	410.64	41.3	40.8	41.5	41.2	43.5	10.70	10.48	9.92	9.77	9.44
Transformers	502.68	481.28	453.49	439.79	399.89	47.2	46.5	46.8	43.5	43.8	10.65	10.35	9.69	10.11	9.13
Switchgear & switchboard apparatus	407.74	400.22	390.33	382.80	415.68	38.0	37.9	38.8	40.0	43.3	10.73	10.56	10.06	9.57	9.60
Electrical industrial apparatus	319.41	314.20	320.38	328.43	312.29	39.0	38.6	39.7	40.2	40.4	8.19	8.14	8.07	8.17	7.73
Household appliances	303.73	299.03	286.15	280.86	280.77	39.6	37.9	37.9	38.9	38.2	7.67	7.89	7.55	7.22	7.35
Electric lighting & wiring equip.	296.48	306.15	287.64	304.20	275.76	37.2	39.1	37.6	39.0	38.3	7.97	7.83	7.65	7.80	7.20
Current-carrying wiring devices	288.59	316.80	318.00	324.01	293.38	36.3	39.6	39.7	40.3	40.3	7.95	8.00	8.01	8.04	7.28
Other electric light & wiring equip.	303.24	297.60	261.34	287.66	259.17	38.0	38.7	35.8	37.9	36.4	7.98	7.69	7.30	7.59	7.12
Communication equipment	336.90	316.03	340.48	332.98	325.62	37.6	36.2	38.0	38.9	40.4	8.96	8.73	8.96	8.56	8.06
Electronic components & accessories	356.07	347.24	342.14	341.60	324.00	39.0	38.2	38.4	39.4	40.0	9.13	9.09	8.91	8.67	8.10
Semiconductors & related devices	441.90	427.80	419.34	422.28	419.63	38.9	37.2	38.9	39.1	40.9	11.36	11.50	10.78	10.80	10.26
Other electronic components & access.	306.15	301.47	297.94	297.04	274.53	39.0	38.7	38.1	39.5	39.5	7.85	7.79	7.82	7.52	6.95
Other electrical equip. & supplies	279.00	301.08	280.46	282.96	251.67	37.4	39.0	37.0	36.7	35.8	7.46	7.72	7.58	7.71	7.03
Transportation equipment	427.25	425.41	427.64	451.82	400.07	38.7	39.1	38.7	41.3	39.3	11.04	10.88	11.05	10.94	10.18
Motor vehicles & equipment	441.97	449.84	435.47	500.69	444.57	38.6	40.2	37.9	43.2	40.6	11.45	11.19	11.49	11.59	10.95
Motor vehicle parts & access.	455.81	500.90	475.27	539.15	437.12	41.4	43.9	41.8	46.2	40.7	11.01	11.41	11.37	11.67	10.74
Other motor vehicles & equip.	430.16	404.06	409.93	471.17	449.96	36.3	36.9	35.4	40.9	40.5	11.85	10.95	11.58	11.52	11.11
Aircraft & parts	452.78	419.48	459.49	456.25	394.35	39.1	36.7	40.2	40.7	39.2	11.58	11.43	11.43	11.21	10.06
Ship & boat building & repairing	367.30	377.32	409.28	386.71	414.39	38.3	39.1	41.3	39.3	41.9	9.59	9.65	9.91	9.84	9.89
Railroad equipment	420.34	419.55	421.50	414.34	377.86	37.8	37.9	37.5	38.4	36.9	11.12	11.07	11.24	10.79	10.24
Other transportation equipment	388.49	387.06	382.73	381.71	302.61	40.3	40.7	40.5	41.9	38.5	9.64	9.51	9.45	9.11	7.86
Instruments & related products	342.61	335.79	340.29	341.25	327.54	39.2	39.0	39.8	40.1	41.2	8.74	8.61	8.55	8.51	7.95
Measuring & controlling devices	345.14	353.76	358.57	362.30	351.78	39.4	40.2	40.7	41.5	42.9	8.76	8.80	8.81	8.73	8.20
Medical instruments & supplies	357.80	321.41	316.30	325.47	321.88	39.8	37.2	37.7	38.7	40.9	8.99	8.64	8.39	8.41	7.87
Other instruments & related prod.	322.10	316.52	330.06	315.83	273.77	38.3	38.6	40.3	38.8	37.4	8.41	8.20	8.19	8.14	7.32
Miscellaneous manufacturing industries	295.19	295.30	299.02	307.76	298.75	37.7	38.4	39.5	41.2	40.1	7.83	7.69	7.57	7.47	7.45

HOURS AND EARNINGS FOR

Table 6. MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL
(cont.)

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981
TOTAL NONDURABLE GOODS	274.54	273.39	278.92	271.10	262.33	37.2	37.4	38.0	37.6	37.8	7.38	7.31	7.34	7.21	6.94
Food & kindred products	325.44	321.11	323.57	321.95	303.73	39.4	39.4	39.8	39.6	39.6	8.26	8.15	8.13	8.13	7.67
Meat products	308.25	293.36	300.66	305.75	303.60	40.4	38.0	39.2	39.3	40.0	7.63	7.72	7.67	7.78	7.59
Meat packing plants	340.47	326.33	340.20	362.53	336.61	42.4	39.7	42.0	42.6	41.0	8.03	8.22	8.10	8.51	8.21
Sausages & other prepared meats	355.55	351.74	363.47	360.60	360.79	38.9	37.7	38.3	38.9	38.3	9.14	9.33	9.49	9.27	9.42
Poultry dressing & processing	237.80	212.80	211.49	210.08	220.19	39.7	36.5	37.3	36.6	40.7	5.99	5.83	5.67	5.74	5.41
Dairy products	317.86	311.44	318.12	315.55	325.58	42.1	42.2	43.4	42.7	44.6	7.55	7.38	7.33	7.39	7.30
Fluid milk	346.93	341.49	337.30	334.88	347.49	41.9	41.9	41.9	41.6	42.9	8.28	8.15	8.05	8.05	8.10
Other dairy products	291.45	284.08	301.95	297.84	309.85	42.3	42.4	44.8	43.8	45.7	6.89	6.70	6.74	6.80	6.78
Preserved fruits & vegetables	284.26	297.20	297.99	300.29	246.73	37.7	38.9	38.7	39.1	34.8	7.54	7.64	7.70	7.68	7.09
Canned fruits & vegetables	260.98	242.44	240.01	230.51	231.57	40.4	38.0	38.9	37.3	37.9	6.46	6.38	6.17	6.18	6.11
Other preserved fruits & vegetables	297.46	324.62	331.96	337.60	256.70	36.1	39.3	38.6	40.0	32.7	8.24	8.26	8.60	8.44	7.85
Grain mill products	436.96	413.76	439.85	390.52	340.47	42.3	42.7	44.7	41.5	42.4	10.33	9.69	9.84	9.41	8.03
Bakery products	320.78	315.40	312.86	315.98	297.60	37.3	38.0	38.2	38.3	38.8	8.60	8.30	8.19	8.25	7.67
Bread, cake & related prod.	340.73	320.14	319.96	324.23	308.45	38.5	37.4	38.0	38.1	39.8	8.85	8.56	8.42	8.51	7.75
Cookies & crackers	268.81	302.94	292.57	293.72	274.15	34.2	39.6	38.7	38.8	36.7	7.86	7.65	7.56	7.57	7.47
Sugar & confectionery prod.	338.04	346.58	335.94	336.21	340.29	38.9	39.7	39.2	38.6	41.6	8.69	8.73	8.57	8.71	8.18
Confectionery prod.	287.21	292.98	283.86	283.87	273.14	37.3	38.0	38.0	37.4	39.7	7.70	7.71	7.47	7.59	6.88
Chocolate & cocoa prod.	387.98	399.63	381.60	373.46	365.56	41.1	42.2	40.9	40.2	41.4	9.44	9.47	9.33	9.29	8.83
Other sugar prod.	416.57	416.57	416.57	416.57	564.99	38.5	38.5	38.5	38.5	50.9	10.82	10.82	10.82	10.82	11.10
Beverages	427.23	394.78	386.22	388.96	380.78	42.3	41.6	40.4	40.9	40.9	10.10	9.49	9.56	9.51	9.31
Other food & kindred products	257.47	264.80	273.78	278.24	234.42	38.2	38.6	39.0	40.5	36.8	6.74	6.86	7.02	6.87	6.37
Tobacco manufacturers	208.15	204.61	201.46	199.56	188.65	39.8	39.5	38.3	38.6	38.3	5.23	5.18	5.26	5.17	4.90
Textile mill products	217.17	213.94	211.84	220.61	209.61	37.9	37.6	37.1	38.5	37.7	5.73	5.69	5.71	5.73	5.56
Weaving mills, synthetics	240.98	227.88	217.13	242.35	237.64	40.5	39.7	37.5	40.8	41.4	5.95	5.74	5.79	5.94	5.74
Knitting mills	209.41	207.00	198.00	206.80	195.10	37.8	37.5	36.0	37.6	36.4	5.54	5.52	5.50	5.50	5.36
Knit outerwear mills	204.50	205.58	196.20	204.82	196.20	37.8	38.0	36.2	38.0	37.3	5.41	5.41	5.42	5.39	5.26
Knit underwear mills	186.37	178.85	173.05	181.41	161.37	36.4	35.0	34.2	35.5	33.0	5.12	5.11	5.06	5.11	4.89
Other knitting mills	241.41	236.39	224.32	234.69	220.22	39.0	38.5	37.2	38.6	37.2	6.19	6.14	6.03	6.08	5.92
Floor covering mills	258.48	264.59	299.21	286.48	263.95	35.9	36.8	41.1	39.9	37.6	7.20	7.19	7.28	7.18	7.02
Yarn & thread mills	195.52	199.50	190.26	194.18	192.40	37.1	37.5	36.8	36.5	37.8	5.27	5.32	5.17	5.32	5.09
Other textile mill prod.	220.37	216.34	223.87	232.83	221.73	37.8	37.3	38.4	39.8	38.9	5.83	5.80	5.83	5.85	5.70
Apparel & other textile products	174.82	173.38	177.82	174.83	173.53	32.8	32.9	34.0	33.3	33.5	5.33	5.27	5.23	5.25	5.18
Men's & boys' suits & coats	224.55	192.37	213.32	214.03	221.29	34.6	30.2	33.7	33.6	36.1	6.49	6.37	6.33	6.37	6.13
Men's & boys' furnishings	179.39	182.17	187.82	178.87	176.40	34.3	35.1	36.9	34.8	36.0	5.23	5.19	5.09	5.14	4.90
Men's & boys' shirts & nightwear	171.19	172.72	186.71	181.44	181.02	33.5	33.8	36.9	35.3	37.4	5.11	5.11	5.06	5.14	4.84
Men's & boys' separate trousers	185.93	195.44	193.12	174.40	198.74	33.5	34.9	35.5	32.0	36.4	5.55	5.60	5.44	5.45	5.46
Other furnishings & work clothing	183.73	183.90	186.00	178.50	160.43	35.4	36.2	37.5	35.7	34.5	5.19	5.08	4.96	5.00	4.65
Women's & misses' outerwear	160.25	163.80	161.67	162.23	163.06	30.7	31.5	31.7	31.5	31.0	5.22	5.20	5.10	5.15	5.26
Women's & children's undergarments	164.15	163.11	155.20	158.26	155.27	33.5	33.7	32.0	33.6	34.2	4.90	4.84	4.85	4.71	4.54
Children's outerwear	162.66	175.15	172.30	180.91	164.83	33.4	35.6	35.6	36.4	32.9	4.87	4.92	4.84	4.97	5.01
Other apparel & textile prod.	184.46	184.60	180.31	184.13	175.64	36.6	36.7	36.5	36.9	36.9	5.04	5.03	4.94	4.99	4.76

HOURS AND EARNINGS FOR

Table 6. MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL
(concl.)

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981	Sept. 1982	Aug. 1982	July 1982	June 1982	Sept. 1981
Paper & allied products	344.44	345.24	351.88	339.67	321.56	41.7	42.0	42.6	42.3	42.2	8.26	8.22	8.26	8.03	7.62
Paper mills exc. building paper	444.54	429.69	447.36	412.92	429.66	46.5	44.9	46.6	44.4	47.9	9.56	9.57	9.60	9.30	8.97
Paper board containers & boxes	328.68	336.59	345.17	326.83	302.44	39.6	40.7	40.8	40.2	39.9	8.30	8.27	8.46	8.13	7.58
Corrugated & solid fiber boxes	352.92	354.88	367.18	349.45	326.34	40.8	41.8	42.4	41.8	42.0	8.65	8.49	8.66	8.36	7.77
Other paperboard containers	305.31	318.38	322.18	304.96	280.08	38.5	39.6	39.1	38.7	37.9	7.93	8.04	8.24	7.88	7.39
Other paper & allied products	304.63	305.44	305.76	312.18	284.56	41.0	41.5	42.0	43.0	41.3	7.43	7.36	7.28	7.26	6.89
Printing & publishing	334.15	337.75	333.12	327.76	325.47	37.8	38.6	38.6	38.2	38.7	8.84	8.75	8.63	8.58	8.41
Newspapers	317.25	307.36	307.95	309.37	315.08	33.5	33.3	33.4	33.7	34.1	9.47	9.23	9.22	9.18	9.24
Books	304.30	307.80	314.82	305.90	283.11	36.4	38.0	39.5	38.0	37.9	8.36	8.10	7.97	8.05	7.47
Commercial printing	354.99	359.48	352.08	339.30	346.50	39.4	40.3	40.1	39.0	39.6	9.01	8.92	8.78	8.70	8.75
Lithographing	379.37	375.93	374.46	356.02	363.77	39.6	39.2	39.5	38.2	39.8	9.58	9.59	9.48	9.32	9.14
Other commercial printing	321.40	336.10	322.67	315.60	325.05	39.1	41.7	41.0	40.0	39.4	8.22	8.06	7.87	7.89	8.25
Manifold business forms	356.25	373.66	377.14	380.17	359.64	40.3	42.9	43.3	43.9	44.4	8.84	8.71	8.71	8.66	8.10
Other printing & publishing	321.15	331.75	318.11	319.84	310.02	38.6	39.4	38.7	39.1	39.9	8.32	8.42	8.22	8.18	7.77
Chemicals & allied products	400.08	388.09	385.97	383.13	370.66	40.7	40.3	40.5	40.5	41.6	9.83	9.63	9.53	9.46	8.91
Industrial inorganic chemicals	404.01	377.70	380.97	383.93	399.81	41.1	39.8	40.4	40.8	43.6	9.83	9.49	9.43	9.41	9.17
Plastic materials & synthetics	404.53	406.00	373.33	406.61	382.12	38.6	40.0	37.0	39.4	41.0	10.48	10.15	10.09	10.32	9.32
Drugs	430.20	423.26	408.22	404.77	396.09	40.7	41.1	40.1	39.8	40.5	10.57	10.42	10.18	10.17	9.78
Soap, cleaners & toilet goods	353.89	334.93	349.16	344.92	336.00	43.0	41.4	43.0	42.9	44.8	8.23	8.09	8.12	8.04	7.50
Paints & allied products	369.47	361.62	361.55	376.69	333.72	39.6	38.8	39.6	40.9	39.4	9.33	9.32	9.13	9.21	8.47
Other chemicals & allied prod.	389.37	369.60	389.76	366.62	347.36	40.9	40.0	42.0	40.6	41.8	9.52	9.24	9.28	9.03	8.31
Petroleum & coal products	544.54	540.71	518.02	512.19	486.86	44.2	43.5	42.6	42.4	43.2	12.32	12.43	12.16	12.08	11.27
Petroleum refining	575.96	572.66	546.00	537.13	514.61	43.6	42.8	42.0	41.8	43.1	13.21	13.38	13.00	12.85	11.94
Other petroleum & coal prod.	454.94	446.42	432.01	432.90	384.09	46.0	45.6	44.4	44.4	43.4	9.89	9.79	9.73	9.75	8.85
Rubber & misc. plastics products	294.12	295.29	294.81	296.74	274.92	38.0	38.6	39.1	39.2	39.5	7.74	7.65	7.54	7.57	6.96
Tires & inner tubes	388.63	407.00	363.84	375.19	343.80	39.9	40.7	37.9	38.6	39.7	9.74	10.00	9.60	9.72	8.66
Fabricated rubber prod., n.e.c.	359.81	336.15	350.96	344.83	347.15	41.5	39.5	41.0	41.1	42.7	8.67	8.51	8.56	8.39	8.13
Other rubber & plastic prod., n.e.c.	276.01	279.21	280.80	282.75	260.02	37.4	38.3	39.0	39.0	39.1	7.38	7.29	7.20	7.25	6.65
Leather & leather products	183.34	185.60	181.44	181.92	185.01	35.6	35.9	36.0	35.6	37.3	5.15	5.17	5.04	5.11	4.96
Footwear, exc. rubber	171.29	173.11	173.28	178.00	171.02	35.1	35.4	36.1	36.4	36.7	4.88	4.89	4.80	4.89	4.66
Men's footwear, exc. athletic	185.06	185.93	197.06	194.31	187.31	36.5	36.6	39.1	38.1	38.7	5.07	5.08	5.04	5.10	4.84
Women's footwear, exc. athletic	168.43	176.78	168.26	173.37	168.73	34.8	36.3	35.2	35.6	35.9	4.84	4.87	4.78	4.87	4.70
Other footwear	156.58	154.71	149.52	162.51	155.23	33.6	33.2	33.3	35.1	35.2	4.66	4.66	4.49	4.63	4.41
Other leather & leather prod.	226.41	229.74	212.42	195.43	228.14	37.3	37.6	35.7	32.9	39.2	6.07	6.11	5.95	5.94	5.82
SELECTED NONMANUFACTURING INDUSTRIES															
Anthracite Mining	392.77	411.33	409.89	414.74	422.58	37.3	39.1	39.0	39.2	43.7	10.53	10.52	10.51	10.58	9.67
Bituminous coal & lignite mining	465.92	457.28	409.26	486.86	559.24	36.6	36.7	33.3	39.2	45.1	12.73	12.46	12.29	12.42	12.40
Nonmetallic minerals, exc. fuels	388.08	388.08	387.00	359.89	385.00	43.9	44.2	45.0	43.1	44.0	8.84	8.78	8.60	8.35	8.75
Communication	445.74	445.27	413.79	408.29	439.77	39.1	39.3	39.0	38.7	41.1	11.40	11.33	10.61	10.55	10.70
Electric, gas, & sanitary services	490.73	483.63	464.52	463.98	466.77	41.8	41.8	42.0	41.8	43.1	11.74	11.57	11.06	11.10	10.83
Electric services	483.36	475.44	462.26	469.88	447.73	42.4	42.0	42.1	42.6	42.6	11.40	11.32	10.98	11.03	10.51
Gas production & distribution	413.08	410.64	409.77	396.00	419.90	40.3	40.9	41.1	40.0	44.2	10.25	10.04	9.97	9.90	9.50
General merchandise stores	162.62	162.75	160.48	151.37	167.31	30.8	31.0	29.5	28.4	30.2	5.28	5.25	5.44	5.33	5.54
Banking	209.48	208.83	210.11	210.70	195.18	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Insurance carriers	264.50	262.75	261.59	261.02	248.20	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Life insurance	240.95	243.42	240.67	240.67	229.89	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
Fire, marine & casualty insurance	273.73	268.91	269.09	267.69	251.13	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA